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Material Safety Data Sheet
AND SAFE HANDLING DISPOSAL INFORMATON

Section 1. Chemical Product and Company Identification

Product name	**Pine Disinfectant & Cleaner**
Product Code	**HDPINE-128**
Formula No.	**FPINE128 (EPA Reg. No. 6836-87-40849)**
Date of issue	**4/15/02** **Version** 1.0
Emergency telephone number	For MSDS Information: Compliance Services, 404 352 1680 For a Medical Emergency: Toll Free INFOTRAC, 877 541 2016 (Calls Recorded) For a Transportation Emergency: Toll Free CHEMTREC, 800 424 9300 (Calls Recorded)
Prepared by	Acuity Specialty Products Group 1420 Seaboard Industrial Blvd. Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
1) Isopropyl Alcohol	67-63-0	5-15	**ACGIH/OSHA (United States).** TWA: 400 mg/m³ STEL: 500 ppm
2) Quaternary ammonium chlorides	68424-85-1 / 68424-95-3	0-5	Not available.
3) Pine Oil	8002-09-3	0-5	Not available.

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Inhalation. Ingestion.

Eyes Slightly hazardous in case of eye contact (irritant).

Skin Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Slightly hazardous in case of inhalation. Overexposure to vapors can cause nausea, headache and vomiting.

Ingestion Hazardous in case of ingestion.

HMIS

Health	1
Fire Hazard	3
	0
Personal Protection	B

Chronic Effects Repeated exposure may cause skin dryness or cracking.

Carcinogenic Effects Not listed as carcinogen by OSHA, NTP or IARC.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

Skin Contact Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms persist.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

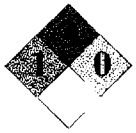
Section 5. Fire Fighting Measures

Flash Point CLOSED CUP: 32.7°C (91°F).

Flammable Limits LOWER: 1% UPPER: 12%

Flammability Flammable in presence of open flames, sparks and static discharge, of oxidizing materials.

Fire Hazard Vapor may cause flash fire. Avoid all possible sources of ignition (spark or flame).



Fire-Fighting Procedures SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

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Section 6. Accidental Release Measures

Spill Clean up Small spills can be taken up with an absorbent and placed in clean dry containers for later disposal.

Section 7. Handling and Storage

Handling Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire, minimize ignition sources.

Storage Store in a cool dry place away from incompatible materials. Store and use away from heat, sparks, open flame, or any other ignition source.

Section 8. Exposure Controls, Personal Protection

Personal Protection

Eyes Safety glasses.

Body Rubber gloves.

Respiratory Avoid breathing vapors or spray mists.

Protective Clothing (Pictograms)

Section 9. Physical and Chemical Properties

Physical State	Liquid.	**Color**	Clear.
pH	6.0 - 7.0	**Odor**	Pine
Boiling Point	Not determined.	**Vapor Pressure**	Not determined.
Specific Gravity	0.99 (Water = 1)	**Vapor Density**	Not determined.
VOC (Consumer)	100 (g/l).	**Evaporation Rate**	1 compared to Water
Solubility	Easily soluble in cold water, hot water.		

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive with oxidizing agents and open flames and sparks.

Hazardous Decomposition Products These products are carbon oxides (CO, CO2) and other organic materials.

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

Toxicity to Animals

Pine oil:

ORAL (LD50): Acute: 4300 mg/kg [Rat.].

DERMAL (LD50): Acute: 3000 mg/kg [Rabbit.].

Quaternary ammonium chlorides:

ORAL (LD50): Acute: 250 mg/kg [Rat.].

Isopropyl Alcohol:

ORAL (LD50): Acute: 5045 mg/kg [Rat].

Chronic Effects on Humans Not listed as carcinogen by OSHA, NTP or IARC.

Section 12. Ecological Information

Ecotoxicity Not available.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Non-regulated waste

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name None.

DOT Classification Not a DOT controlled material (United States).

UN number Not applicable.

TDG Classification Not a TDG controlled material.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

State Regulations California prop. 65: No products were found.

WHMIS (Canada) Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

Class D-2B: Material causing other toxic effects (TOXIC).

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Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.